

TABLE 81

**Federal obligations for applied research, by agency: FYs 2013–22**

(Dollars in millions)

Agency	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022 (preliminary)
All agencies	29,753	31,604	32,298	34,812	36,600	38,392	41,101	43,758	43,750	44,674
Departments										
Department of Agriculture	1,024	1,152	1,204	1,221	1,251	1,270	1,350	1,225	1,362	1,559
Agricultural Marketing Service	2	3	3	3	4	4	4	3	7	7
Agricultural Research Service	406	449	453	458	468	480	517	569	604	640
Economic Research Service	64	71	85	85	86	86	86	82	85	90
Foreign Agricultural Service	*	*	*	*	*	0	0	0	0	0
Forest Service	205	187	176	191	182	169	170	172	154	195
Grain Inspection, Packers, and Stockyards Administration	5	6	6	6	*	na	na	na	na	na
National Agricultural Statistics Service	4	5	5	5	5	5	5	5	5	6
National Institute of Food and Agriculture	333	426	472	469	502	521	564	390	505	620
Natural Resources Conservation Service	NA	NA	NA	NA	NA	NA	NA	NA	1	1
Rural Business-Cooperative Service	4	6	4	4	3	4	4	3	0	0
Department of Commerce	833	1,063	922	906	1,056	1,001	1,029	1,110	1,228	1,473
Census Bureau	115	227	41	90	56	56	29	38	56	110
National Institute of Standards and Technology	335	385	399	377	445	449	450	466	507	530
National Oceanic and Atmospheric Administration	375	442	470	428	547	488	542	598	659	826
National Telecommunications and Information Administration	7	10	12	11	8	9	8	8	7	7
Department of Defense	4,093	4,631	4,558	4,913	5,068	5,263	5,758	6,416	6,901	7,401
Defense Advanced Research Projects Agency	983	1,189	1,125	1,158	1,118	1,222	1,265	1,524	1,336	1,484
Defense Health Agency	na	NA	NA	NA	NA	NA	NA	153	115	159
Department of the Air Force	1,055	1,072	1,108	1,240	1,244	1,341	1,547	1,729	1,684	1,697
Department of the Army	859	983	942	1,060	1,233	1,217	1,462	1,383	1,372	1,502
Department of the Navy	740	872	845	924	971	953	935	1,057	1,023	1,230
Other defense agencies	455	515	539	531	502	530	549	571	1,371	1,329
Department of Education	178	183	137	140	141	135	131	136	233	260
Department of Energy	3,482	4,017	4,181	4,880	5,084	5,507	6,295	5,024	5,277	4,523
Advanced Research Projects Agency—Energy	92	150	139	172	151	80	202	219	157	225
Bonneville Power Administration	4	3	3	3	4	NA	NA	NA	NA	NA
Electricity Delivery and Energy Reliability	50	61	57	67	74	82	72	65	50	59
Energy Efficiency and Renewable Energy	530	540	473	576	853	1,285	1,270	1,248	1,395	678
Environmental Management	3	16	8	10	10	13	9	7	10	12
Fossil Energy	151	157	194	225	224	629	626	645	689	736
National Nuclear Security Administration	2,355	2,714	2,637	3,127	2,997	2,556	3,568	2,279	2,485	2,404
Defense Programs	2,142	2,519	2,527	3,010	2,881	2,422	3,434	2,155	2,328	2,258
Office of Defense Nuclear Nonproliferation	213	195	111	117	116	135	134	124	157	146
Nuclear Energy	236	296	597	631	688	763	378	392	346	331
Office of Cybersecurity, Energy Security, and Emergency Response	na	na	na	na	na	0	39	36	0	78
Office of Science	63	79	75	70	83	101	130	131	144	0
Department of Health and Human Services	14,026	14,582	15,120	16,483	16,977	18,561	19,255	22,425	21,210	21,259
Administration for Children and Families	2	3	2	3	2	3	2	2	5	4
Administration for Community Living	0	0	72	66	66	66	66	71	107	111
Agency for Healthcare Research and Quality	336	335	335	306	300	306	308	308	308	314

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Agency	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022 (preliminary)
Agency for Toxic Substances and Disease Registry	1	1	2	2	3	2	7	10	11	11
Centers for Disease Control and Prevention	277	309	365	409	364	322	289	371	592	552
Centers for Medicare and Medicaid Services	20	34	24	30	29	231	133	224	0	0
Food and Drug Administration	361	389	376	486	375	478	493	464	589	669
Health Resources and Services Administration	24	25	25	24	27	34	30	32	30	35
National Institutes of Health	12,987	13,467	13,901	15,140	15,794	17,103	17,909	20,927	19,551	19,545
Office of the Secretary of Health and Human Services	19	19	18	18	17	17	17	16	17	18
Office of the Assistant Secretary for Planning and Evaluation	19	19	18	18	17	17	17	16	17	18
Department of Homeland Security	141	215	205	194	264	309	233	178	187	248
Coast Guard	7	8	6	7	6	6	6	1	3	2
Countering Weapons of Mass Destruction Office	NA	38	26	25	23	9	26	18	15	24
Cybersecurity and Infrastructure Security Agency	na	na	na	na	na	7	13	7	9	4
Science and Technology Directorate	134	168	173	163	235	286	188	152	159	216
Transportation Security Administration	NA	NA	NA	NA	NA	0	0	0	1	2
Department of Housing and Urban Development	44	36	38	43	41	40	22	NA	NA	NA
Department of the Interior	552	597	627	672	668	570	608	614	668	817
Bureau of Indian Affairs	NA	NA	NA	NA	NA	5	5	*	5	4
Bureau of Land Management	NA	NA	15	17	17	13	13	14	9	9
Bureau of Ocean Energy Management	40	48	44	60	63	66	65	59	63	68
Bureau of Reclamation	8	9	7	19	23	17	17	19	18	22
Bureau of Safety and Environmental Enforcement	15	33	17	24	8	4	7	4	19	14
Fish and Wildlife Service	NA	NA	30	32	33	33	33	33	33	33
Geological Survey	483	493	506	512	515	424	459	476	495	641
National Park Service	6	14	8	8	9	9	9	9	27	27
Office of Surface Mining Reclamation and Enforcement	NA	NA	NA	NA	NA	0	*	1	0	0
Department of Justice	57	134	123	144	85	75	84	84	71	74
Bureau of Prisons	2	2	3	3	2	1	1	2	*	*
Federal Bureau of Investigation	2	0	0	0	0	3	1	5	4	5
Office of Justice Programs	52	132	121	141	83	71	82	77	67	69
Department of Labor	14	11	10	6	5	5	4	5	3	4
Employee Benefits Security Administration	10	7	7	5	3	3	3	3	1	2
Occupational Safety and Health Administration	4	4	3	1	2	2	2	2	2	2
Pension Benefit Guaranty Corp.	*	*	*	*	0	0	NA	NA	NA	NA
Department of State	1	NA	2	2	2	62	62	30	40	40
Department of Transportation	647	644	663	625	696	751	746	900	821	803
Federal Aviation Administration	197	197	207	207	212	195	193	247	267	272
Federal Highway Administration	320	338	273	247	305	420	415	472	373	361
Federal Motor Carrier Safety Administration	7	7	8	10	11	9	8	9	11	14
Federal Railroad Administration	39	30	33	31	34	33	32	35	35	42
Federal Transit Administration	14	0	72	35	55	10	3	40	42	33

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Agency	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022 (preliminary)
National Highway Traffic Safety Administration	65	65	63	87	69	76	76	69	66	50
Office of the Secretary of Transportation	0	4	2	4	3	3	8	12	12	15
Pipeline and Hazardous Materials Safety Administration	2	2	5	5	5	6	11	17	15	16
Research and Innovative Technology Administration	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of the Treasury	73	73	72	81	1	27	36	44	41	44
Bureau of Engraving and Printing	8	9	9	14	0	27	36	44	41	44
Internal Revenue Service	65	64	64	65	0	0	0	0	NA	NA
Mint	*	1	*	2	1	0	*	*	*	*
Department of Veterans Affairs	355	322	416	458	395	792	849	918	936	1,002
Other agencies										
Administrative Office of the U.S. Courts	NA	NA	NA	7	8	7	6	5	4	1
Agency for Global Media	NA	NA	NA	NA	NA	NA	6	5	5	8
Agency for International Development	117	59	212	148	191	120	172	135	51	51
Appalachian Regional Commission	*	1	*	1	*	1	1	1	1	*
Consumer Product Safety Commission	1	2	2	2	2	1	1	*	*	*
Environmental Protection Agency	446	453	440	430	417	413	405	412	403	406
Federal Communications Commission	5	7	5	5	6	5	2	2	0	0
Federal Trade Commission	3	3	2	3	6	6	6	6	8	9
Library of Congress	1	1	1	1	1	1	1	1	1	*
National Aeronautics and Space Administration	2,598	2,313	2,330	2,332	2,319	2,011	2,423	2,555	2,698	3,010
National Archives and Records Administration	1	1	1	1	1	1	1	0	NA	NA
National Science Foundation	594	678	696	760	779	760	784	889	934	986
Nuclear Regulatory Commission	76	85	92	80	66	76	74	66	77	78
Patient-Centered Outcomes Research Trust Fund	334	283	152	115	884	492	578	470	460	481
Postal Service	NA	NA	28	29	73	53	27	18	15	16
RESTORE Act Centers of Excellence Research Grants Program	na	na	na	na	na	na	na	9	0	7
Social Security Administration	57	60	59	129	110	72	146	70	105	99
Tennessee Valley Authority	NA	NA	NA	NA	3	6	6	6	9	13

\* = amount greater than \$0 but less than \$500,000. na = not applicable; agency or subagency did not exist as such or in that organization in that year. NA = not available; data were not collected at that level for that fiscal year.

**Note(s):**

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FYs 2020, 2021, and 2022 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.